

Docket No. 22-0157

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

Raymond M. Nuber et al.

Serial No.: 09/991,461

Filed: November 20, 2001

For: FORWARD AND RETURN
DIRECTION PAYLOAD ARCHI-
TECTURE USING EQUIVALENT
AND SHARED COMPONENTS
AND SUBASSEMBLIESRECEIVED
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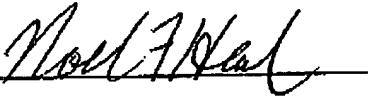
Examiner: Philip Sobutka

Group Art Unit: 2684

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Noel F. Heal


SignatureAMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office action mailed August 6, 2004, please enter and
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PTO/SB/21 (09-04)

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FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

| | |
|--|------------------|
| Application Number | 09/991,461 |
| Filing Date | Nov. 20, 2004 |
| First Named Inventor | Raymond M. Nuber |
| Art Unit | 2684 |
| Examiner Name | Philip Sobutka |
| Total Number of Pages in This Submission | 15 |
| Attorney Docket Number | 22-0167 |

ENCLOSURES (Check all that apply)

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|--|---|---|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to TC |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input checked="" type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Change of Correspondence Address | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below) |
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| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) _____ | |
| <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application | <input type="checkbox"/> Landscape Table on CD | |
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| Remarks | | |
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | | |
|--------------|-----------------------------------|----------|--------|
| Firm Name | Northrop Grumman Space Technology | | |
| Signature | | | |
| Printed name | Noel F. Heal | | |
| Date | Nov. 8, 2004 | Reg. No. | 26,074 |

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| Typed or printed name | Noel F. Heal | Date | Nov. 8, 2004 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**Change Of Attorney Or Agent's Address In Application
(37 CFR 1.8(a))**

Docket No.
22-0157

In Re Application Of: Raymond M. Nuber et al.

Application No.
09/991,461

Filing Date
11/20/2001

Examiner
Philip Sobatka

Group Art Unit
2684

Invention: **FORWARD AND RETURN DIRECTION PAYLOAD ARCHITECTURE
USING EQUIVALENT AND SHARED COMPONENTS AND SUBASSEMBLIES**

COMMISSIONER FOR PATENTS

Please send all correspondence for this application to:

Patent Counsel
Northrop Grumman Space and Mission Systems Corp.
One Space Park, E1-2041
Redondo Beach, CA 90278

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Customer Number:

Please direct all telephone calls to:

Noel F. Heal, (310) 812-4910

Signature of Attorney or Agent of Record

Noel F. Heal, Reg. No. 26,074
Northrop Grumman Space Technology
One Space Park, E1-2041
Redondo Beach, CA 90278

Registration Number & Address of Attorney or Agent of Record

Dated: November 8, 2004

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AMENDMENT TRANSMITTAL LETTER (Large Entity)

Applicant(s): Raymond M. Nuber et al.

Docket No.

22-0157

| | | | | | |
|-------------------------------|---------------------------|----------------------------|--------------|------------------------|--------------------------|
| Application No. 09/991,461 | Filing Date 11/20/2001 | Examiner Philip Sobutka | Customer No. | Group Art Unit 2684 | Confirmation No. 3775 |
|-------------------------------|---------------------------|----------------------------|--------------|------------------------|--------------------------|

Invention: **FORWARD AND RETURN DIRECTION PAYLOAD ARCHITECTURE
USING EQUIVALENT AND SHARED COMPONENTS AND SUBASSEMBLIES**

COMMISSIONER FOR PATENTS:

Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED

| | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST # PREV. PAID FOR | NUMBER EXTRA CLAIMS PRESENT | RATE | ADDITIONAL FEE |
|---|-------------------------------------|-----------------------------|--------------------------------|---------|-------------------|
| TOTAL CLAIMS | 21 | 30 | 0 | \$18.00 | \$0.00 |
| INDEP. CLAIMS | 2 | 3 | 0 | \$88.00 | \$0.00 |
| Multiple Dependent Claims (check if applicable) | <input type="checkbox"/> | | | | \$0.00 |
| TOTAL ADDITIONAL FEE FOR THIS AMENDMENT | | | | | \$0.00 |

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- A check in the amount of _____ to cover the filing fee is enclosed.
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 - Any additional filing fees required under 37 C.F.R. 1.16.
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Dated: November 8, 2004

Noel F. Heal, Reg. No. 26,074
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Phone: (310) 812-4910

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